

PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	09/400,769-Conf. #03787
Filing Date	September 22, 1999
First Named Inventor	Erik Helmerhorst
Art Unit	1653
Examiner Name	H. Robinson
Attorney Docket Number	28594/35007A

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>HR</i>	A22	5,817,684	10/06/1998	Fleisch et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B18	EP 579412A1	10-07-1990	<i>Not provided</i>		
	B48	EP 292977A1	09-04-1991			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

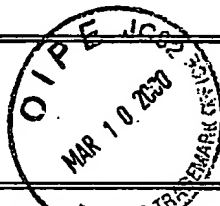
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Examiner Signature	<i>H. Robinson</i>	Date Considered	11/5/05
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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 28594/35007A	Serial No. 09/400,769
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		Applicant Helmerhorst et al.	
		Filing Date Sept. 22, 1999	Group 1614



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*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
<i>HR</i>	B8	AU A 54495/86	19.09.86	AU	C07K	7/40	<input checked="" type="checkbox"/>	
	B9	AU A 62066/86	05.03.87	AU	C07K	7/40	<input checked="" type="checkbox"/>	
	B10	WO 88/06599	Sept. 1988	PCT				
	B11	WO 90/01038	08.02.90	PCT				
	B12	WO 90/07522	12.07.90	PCT				
	B13	WO 90/12814	01.11.90	PCT				
	B14	WO 95/17183	29.06.95	PCT				
<i>✓</i>	B15	0 132 366 A2	30.01.95	EPO	C07D	311/24		

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<i>HR</i>	C67	PCT International Search Report - International Application No. PCT/AU 99/00786
<i>HR</i>	C68	Aguilar-Bryan <i>et al.</i> , Chemical Abstracts, Abstract No: 490788 (1990) "Photoaffinity labelling and partial purification of the beta cell sulfonylurea receptor using a novel, biologically active glyburide analog., <i>J. Biol. Chem.</i> 265(14):8218-24 (1990)
<i>↓</i>	C69	Bahn <i>et al.</i> , Chemical Abstracts, Abstract No: 42678 (1980) "Cystic Acids as a solubilizing protective group in peptide chemistry, <i>Schriftenr Dtsch. Wollforschungsinst.</i> 76:5-7 (1978)

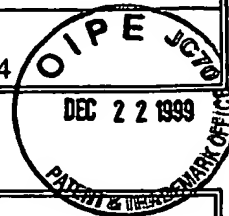
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Patent and Trademark OfficeAtty. Docket No.
28594/35007ASerial No.
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Applicant
Erik Helmerhorst *et al.*Filing Date
Sept. 9, 1999Group
1614

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*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>HR</i>	A1	4,871,739	10/3/89	Baldwin <i>et al.</i>	514	254	
	A2	4,992,418	02/12/91	Katsoyannis <i>et al.</i>	514	003	
	A3	5,008,241	04/16/91	Markussen <i>et al.</i>	514	003	
	A4	5,149,777	09/22/92	Hansen <i>et al.</i>	530	303	
	A5	5,175,145	12/29/92	Cooper	514	004	
	A6	5,227,466	07/13/93	DeMeyts	530	305	
	A7	5,514,646	05/07/96	Chance <i>et al.</i>	514	003	
	A8	5,599,841	02/04/97	Meglassón	514	557	
	A9	5,618,913	04/08/97	Brånge <i>et al.</i>	530	303	
	A10	5,629,319	05/13/97	Kuo <i>et al.</i>	514	284	
	A11	5,641,796	06/24/97	Dominianni <i>et al.</i>	514	374	
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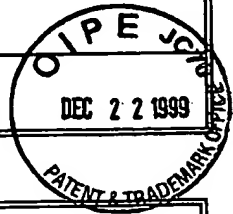
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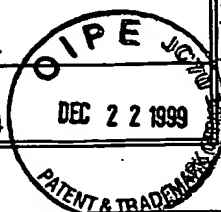
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*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
<i>HR</i>	A21	5,716,975	02/10/98	Bue-Valleskey <i>et al.</i>	514	369	

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							Yes	No
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	B6	WO 97/27847	07/08/97	PCT	A61K	31/095		
<i>HR</i>	B7	WO 97/40017	30/10/97	PCT	C07D	231/00		

No English Abstract

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<i>[Handwritten mark]</i>	C1	Bajaj <i>et al.</i> , <i>Biochem. J.</i> , 238:345-351 (1986) "Coypu insulin - Primary structure, conformation and biological properties of a hystricomorph rodent insulin"
<i>[Handwritten mark]</i>	C2	Bao <i>et al.</i> , <i>Proc. Nat'l. Acad. Sci. (USA)</i> , 94:2975-2980 (April 1997) "Crystal structure of desheptapeptide (B24-B30)insulin at 1.6 Å resolution: Implications for receptor binding"
<i>[Handwritten mark]</i>	C3	Blundell <i>et al.</i> , <i>Biochem. J.</i> , 125(3):50P-51P (Dec. 1971) "The Structure and Biology of Insulin"
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<i>[Handwritten mark]</i>	C5	Blundell <i>et al.</i> , <i>Advances in Protein Chemistry</i> : 26, XII+431P., Academic Press: New York, NY USA, London, England, pp. 279-403 (1972) "Insulin: The Structure in the Crystal and its Reflection in Chemistry and Biology"
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<i>[Handwritten mark]</i>	C7	Chu <i>et al.</i> , <i>Biochemistry</i> , 26:6972-6975 (1987) "Possible Involvement of the A ²⁰ -A ²¹ Peptide Bond in the Expression of the Biological Activity of Insulin. 2. [21-Asparagine diethylamide-A]insulin"
<i>[Handwritten mark]</i>	C8	Chu <i>et al.</i> , <i>Biochemistry</i> , 26:6975-6979 (1987) "Possible Involvement of the A ²⁰ -A ²¹ Peptide Bond in the Expression of the Biological Activity of Insulin. 3. [21-Desasparagine, 20-cysteine ethylamide-A]insulin and [21-Desasparagine, 20-cysteine 2,2,2-trifluoroethylamide-a]insulin"
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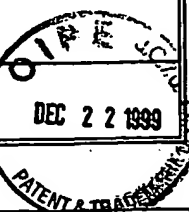
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✓	C12	Djuric <i>et al.</i> , <i>J. Med. Chem.</i> , 32(6):1145-1147 (June 1989) "Communications to the Editor"
✓	C13	Donner, <i>Proc. Nat'l. Acad. Sci. (USA)</i> , 77(6):3176-3180 (June 1980) "Regulation of insulin binding to isolated hepatocytes: Correction for bound hormone fragments linearizes Scatchard plots"
✓	C14	Donner <i>et al.</i> , <i>J. Biol. Chem.</i> , 258(15):9413-9418 (1983) "Hormone-induced Conformational Changes in the Hepatic Insulin Receptor"
✓	C15	Easter <i>et al.</i> , <i>Hoppe-Seyler's Z. Physiol. Bd.</i> , 359:S.1229-1236 (Sept. 1978) "Crystalline [A21-Desamido]Bovine Insulin"
✓	C16	Ferderigos <i>et al.</i> , <i>Int. J. Peptide Protein Res.</i> , 13:43-53 (1979) "[21 - ARGININE - A] INSULIN: A Biologically Active Analog"
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✓	C18	Gapinski <i>et al.</i> , <i>J. Med. Chem.</i> , 33:2807-2813 (1990) "Benzophenone Dicarboxylic Acid Antagonists of Leukotriene B ₄ . 2. Structure-Activity Relationships of the Lipophilic Side Chain"
✓	C19	Garrett <i>et al.</i> , <i>Nature</i> , 394:395-399 (23 July 1998) "Crystal structure of the first three domains of the type-1 insulin -like growth factor receptor"
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↓	C32	Isakoff <i>et al.</i> , <i>Proc. Nat'l. Acad. Sci. (USA)</i> , 92:10247-10251 (Oct. 1995) "The inability of phosphatidylinositol 3-kinase activation to stimulate GLUT4 translocation indicates additional signaling pathways are required for insulin-stimulated glucose uptake"

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<input checked="" type="checkbox"/>	C33	Jackson <i>et al.</i> , <i>J. Med. Chem.</i> , 36:1726-1734 (1993) "Design, Synthesis, and Pharmacological Evaluation of Potent Xantone Dicarboxylic Acid Leukotriene B ₄ Receptor Antagonists"
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<input type="checkbox"/>	C37	Konstantopoulos, Thesis Paper present to The University of Melbourne (January 1997) "Involvement of Insulin and its Receptor in Cell-Matrix Interactions"
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<input type="checkbox"/>	C39	Li <i>et al.</i> , <i>J. Biol. Chem.</i> , 266(11):7051-7057 (1991) "Insulin Receptors Prepared with Iodoacetamide Show Enhanced Autophosphorylation and Receptor Kinase Activity"
<input type="checkbox"/>	C40	Liang <i>et al.</i> , <i>Science in China (Series B)</i> , 35(5):547-557 (May 4, 1991) "The Possible Mechanism of Binding Interaction of Insulin Molecule Binding With Its Receptor"
<input type="checkbox"/>	C41	Luo <i>et al.</i> , <i>Science</i> , 285:1077-1080 (13 Aug. 1999) "Quaternary Structure of the Insulin-Insulin Receptor Complex"
<input type="checkbox"/>	C42	Maturo III <i>et al.</i> , <i>Proc. Nat'l. Acad. Sci. (USA)</i> , 75(7):3070-7074 (July 1978) "Insulin receptor: Interaction with nonreceptor glycoprotein from liver cell membranes"
<input checked="" type="checkbox"/>	C43	Maturo <i>et al.</i> , <i>Chem. Pharmacology</i> , 37(19):3755-3760 (1988) "Taurine Binding to the Purified Insulin Receptor"

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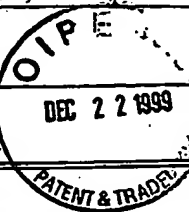
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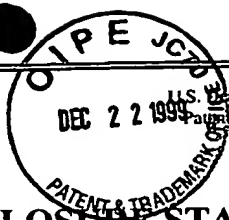
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
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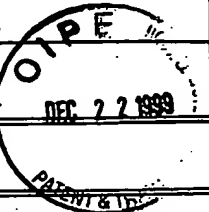
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Erik Helmerhorst *et al.*Filing Date
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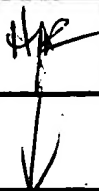
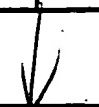
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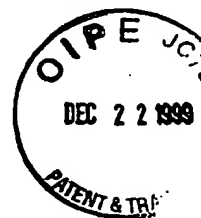
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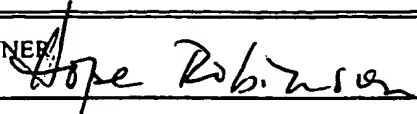
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